MiniDVR (v1.1)

Installation Manual

CNBTECH

This product is made by advanced technology of C&B Technology and passed reliability and compatibility test. Product quality can be guaranteed.

This is an operation guide for Mini_DVR user.
This guide gives you BDx-Series's external specification, name, PAN/TILT control, the way of attaching peripheral devices and configuration of system program.

If you are first user of Mini_DVR, even though you are experienced with similar products like this, we recommend you to read this manual carefully and follow the instructions inside before using this product.

CAUTION

The copyright of this manual belongs to C&B technology.

It is prohibited to copy this manual without permission.

We do not guarantee, if your system is damaged by your mis-using disapproval components or mis-operation.

If you have any problems or questions with our product, please contact the dealer you bought from or C&B Technology.

If you need to open the system for modification or repairing, it is recommended that you have to request an engineer's assistance by contacting the dealer you bought it from or C&B Technology.
BDx-Series is a registered trademark of C&B Technology DVR system.

This product has certification for domestic and industrial use. Also, it has taken CE for Europe, FCC for the U.S.

Warning

This is a Class A product. In a domestic environment this product may cause radio interference in which case the user may be required to take adequate measures.

WARNING

You should pay attention to following information before installing DVR.

- Do not expose the product to rain, extremely humid or dirty environment. It may cause malfunction of system. Install dehumidifier and use compressed air for cleaning filter, fan every 3 month.
- Do not expose the product directly to the sun or a heating apparatus.
- Do not install the product where extreme electronic waves or magnetism exit.
- Do not install the product to extremely cold or hot area.(Recommended temperature is 5 ~ 35 °C)
- Be careful not to drop any conducting material into the ventilation hole.
- Before Installation, be sure to turn off the power of system.
- Ensure enough space for the cables at the rear of the system.
- Do Install the product to a well-ventilated area.
- Be careful, it is approached to eletric machines, Radio,TV etc that cause a problem.
- Do not put heavy material on the system.

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1.Windows Setup

1.1 System Requirements

- Supported OS:

  Windows 98SE, Windows 2000, or Windows XP

- System Requirements

  Processor: Intel Pentium III 800MHz or higher

  Main Memory: 128MB or higher

  Video Card (32MB or higher): ATI Radeon 7000 or higher.(We recommend you to update driver to the latest version because a old driver may not properly run.)

  DirectX 7.0a or higher

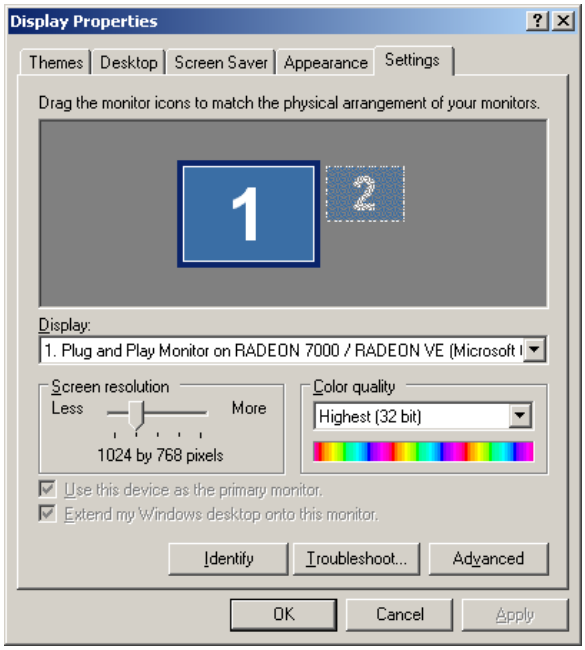
1.2 Monitor Resolution

Select “Display Properties”.

All programs of CNBTECH have been designed to be run at the screen resolution of 1024 ×768 or higher.

If the monitor does not support this resolution or has not been configured, the program may not properly run.

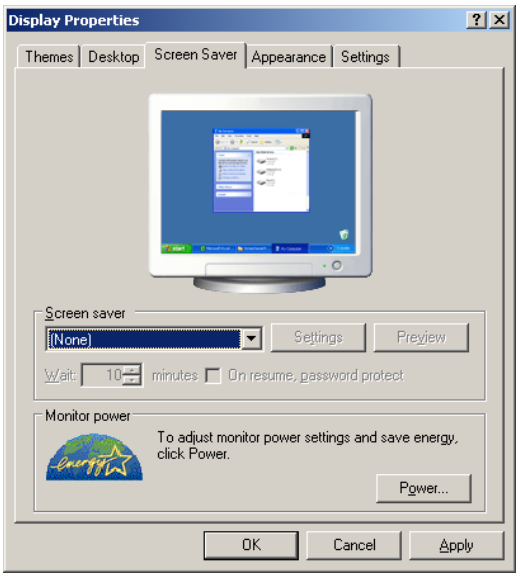
Select “Highest (32 bit)” in the Color quality field, and “1024 by 768” in the Screen resolution area as shown below:

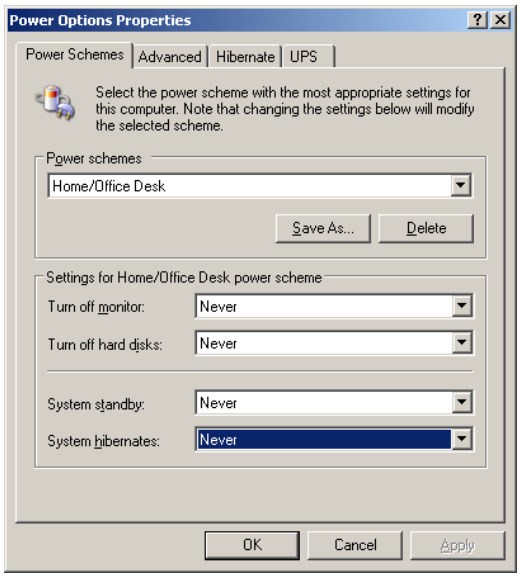


1.3 Power Options & Display Properties

Select “None” in the Screen saver field, and click “Power…” in the “Monitor power” area. When the Power Options Properties window appears, select “Never” in the “Turn off monitor” and the “Turnoff hard disks” fields.

If above settings are not made, program errors may occur.

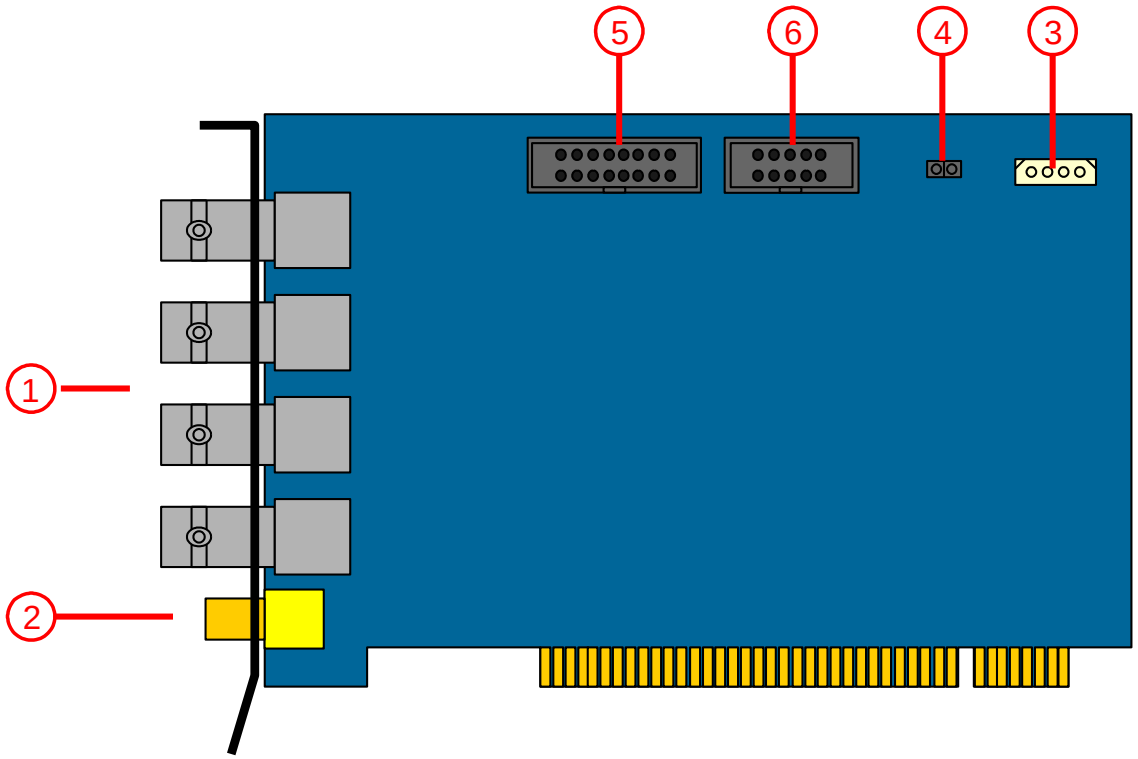




2. Hardware Installation

2.1 Hardware Configuration

Layout



<Capture Board>

① BNC : Video Inputs(Total 4Channel : CAM IN 1~4)

② RCA : Audio Input

③ RS422/RS485 Interface : PTZ

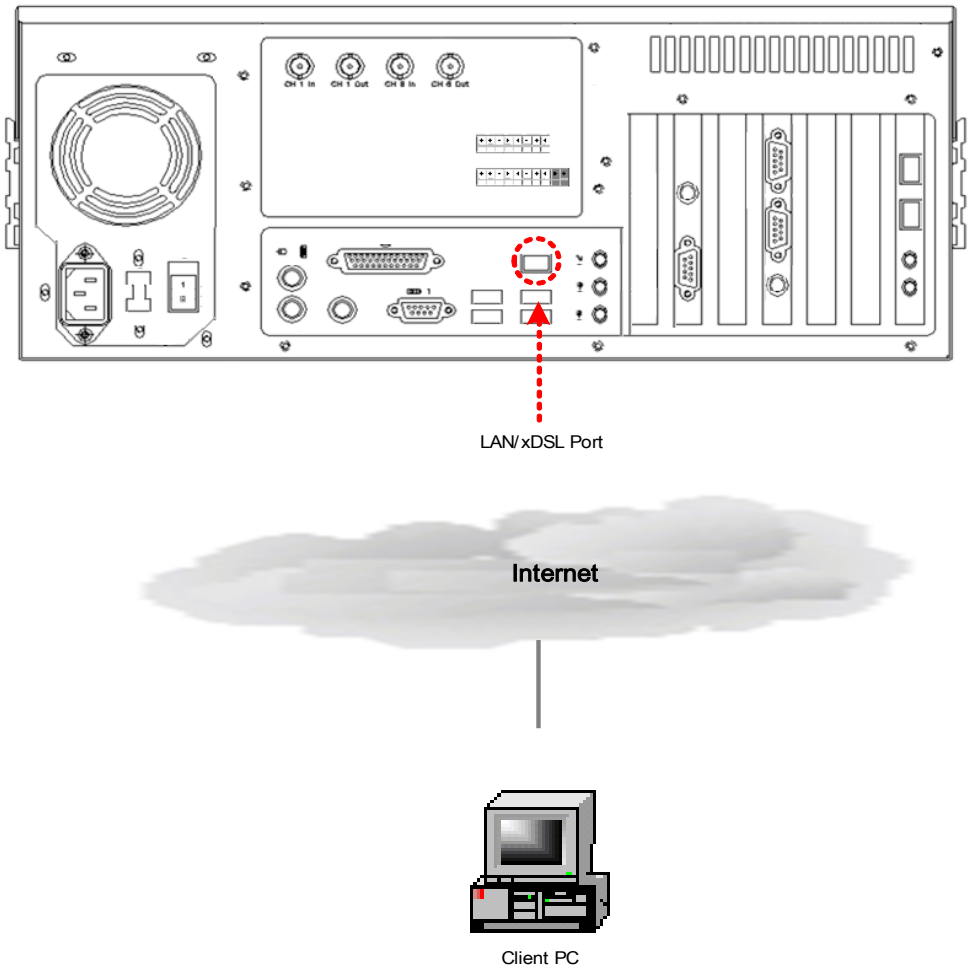
④ Watch-Dog Connector

⑤ Sensor Input Connector (needs option Board)

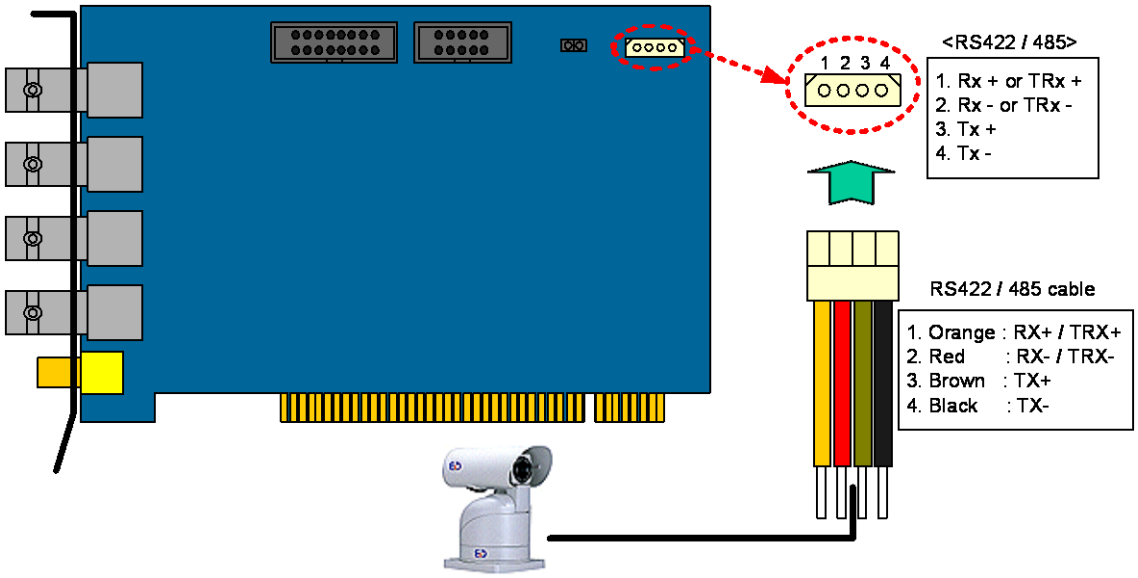
⑥ Alarm Output Connector (needs option Board)

2.2 Connecting Hardware

2.2.1 Connecting Network



2.2.2 Connecting PTZ



<Connecting from Capture Board to PTZ>

<Connecting from DIO Board>

Camera PTZ	RS-422	Capture Board
TX+	_____	RX+
TX-	_____	RX-
RX+	_____	TX+
RX-	_____	TX-

Camera PTZ	RS-485	Capture Board
TRX+	_____	TRX+
TRX-	_____	TRX-

2.3 Installing Device Driver

The driver is installed by INF file. Install the board in the PC, and boot the PC. Then, the PC will automatically detect the board (by PNP) and will be ready to install the driver. The user can easily install the driver file saved in the installation diskette or HDD by designating the folder classified according to the OS type. ***After the driver file is installed, the IRQ of the installed card must not conflict or be shared with another card or equipment. However, if the IRQ of the installed card is shared by another card or equipment, insert the card into a different PCI slot or manually specify the IRQ through CMOS setup of the main board.***

Operating systems supporting the driver include Windows98SE, Windows 2000, *and* ***windows XP****.*

CNBTECH guarantees the compatibility only with ATI-series video cards, not other video cards.

Install the driver as described below:

2.3.1 Windows XP/2000

Installing the driver in Windows XP/2000 is more complicated than in Windows98 and differs a little bit depending on the model.

Turn off the PC, and insert the board in the PCI slot.
Turn on the PC, and run the system.

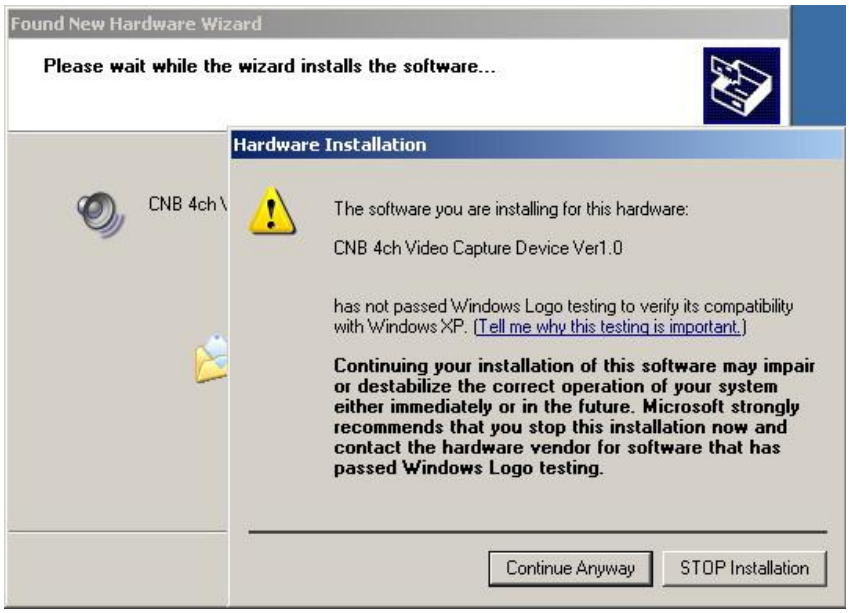
Windows 2000 will automatically detect the new hardware device and recognize it as a multimedia video controller.

Found New Hardware Wizard
Welcome to the Found New Hardware Wizard
This wizard helps you install software for:
Multimedia Video Controller
If your hardware came with an installation CD or floppy disk, insert it now.
What do you want the wizard to do?
Install the software automatically (Recommended)
Install from a list or specific location (Advanced)
Click Next to continue.
< Back
Next >
Cancel

Select “Install from a list or specific location (Advanced)”, and click "Next>".

Found New Hardware Wizard
Please choose your search and installation options.
Search for the best driver in these locations.
Use the check boxes below to limit or expand the default search, which includes local paths and removable media. The best driver found will be installed.
Search removable media (floppy, CD-ROM...)
Include this location in the search:
D:\Driver\win2k_xp
Browse
Don't search. I will choose the driver to install.
Choose this option to select the device driver from a list. Windows does not guarantee that the driver you choose will be the best match for your hardware.
< Back
Next >
Cancel

Insert the provided CD or a floppy diskette containing the driver, and click “Next>” to search for the driver.

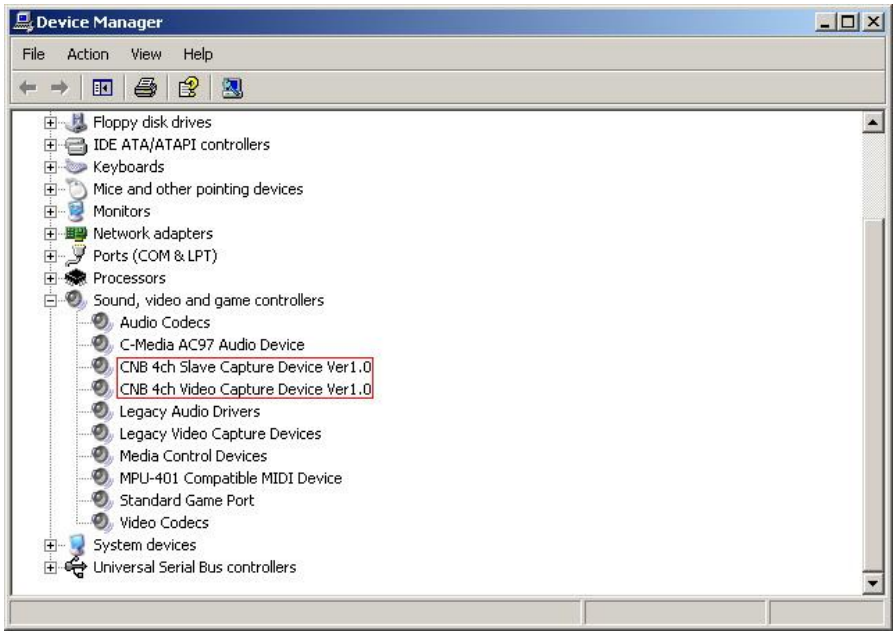

Found New Hardware Wizard
Please wait while the wizard installs the software...
Hardware Installation
CNB 4ch V
The software you are installing for this hardware:
CNB 4ch Video Capture Device Ver1.0
has not passed Windows Logo testing to verify its compatibility with Windows XP. (Tell me why this testing is important.)
Continuing your installation of this software may impair or destabilize the correct operation of your system either immediately or in the future. Microsoft strongly recommends that you stop this installation now and contact the hardware vendor for software that has passed Windows Logo testing.
Continue Anyway
STOP Installation

Click “Yes”.

Found New Hardware Wizard
Completing the Found New Hardware Wizard
The wizard has finished installing the software for:
CNB 4ch Video Capture Device Ver1.0
Click Finish to close the wizard.
< Back
Finish
Cancel

Click “Finish”.

Install the “MINIDSR AUDIO Capture Device Ver1.0” driver in the same way as described above.



Once the two drivers are successfully installed, the two new devices will be added to Device Manager:

- "MINIDVR Video Capture Device Ver1.0"
- "MINIDSR AUDIO Capture Device Ver1.0"

2.3.2 Windows98

Turn off the PC, and install the board in the PCI slot.

Run the system by turning on the computer.

Add New Hardware Wizard
This wizard searches for new drivers for:
PCI Multimedia Video Device
A device driver is a software program that makes a hardware device work.
< Back
Next >
Cancel

The OS will automatically start to search for PCI Multimedia Video Device.

Add New Hardware Wizard
What do you want Windows to do?
Search for the best driver for your device. (Recommended).
Display a list of all the drivers in a specific location, so you can select the driver you want.
< Back
Next >
Cancel

Select “Search for the best driver for your device (Recommended)”, and click “Next>”.

Add New Hardware Wizard
Windows will search for new drivers in its driver database on your hard drive, and in any of the following selected locations. Click Next to start the search.
Floppy disk drives
CD-ROM drive
Microsoft Windows Update
Specify a location:
D:\Driver\win98
Browse...
< Back
Next >
Cancel

Select “Specify a location”.

Insert the provided CD or a floppy diskette containing the driver. Open the folder, and click “Next>” to search for the driver.

Add New Hardware Wizard
Windows driver file search for the device:
CNB 4ch Video Capture Device Ver1.0
Windows is now ready to install the best driver for this device. Click Back to select a different driver, or click Next to continue.
Location of driver:
D:\Driver\win98\CNBCAP04.INF
< Back
Next >
Cancel

If the correct driver is found, the dialog will display “MINIDVR Video Capture Device Ver1.0”.

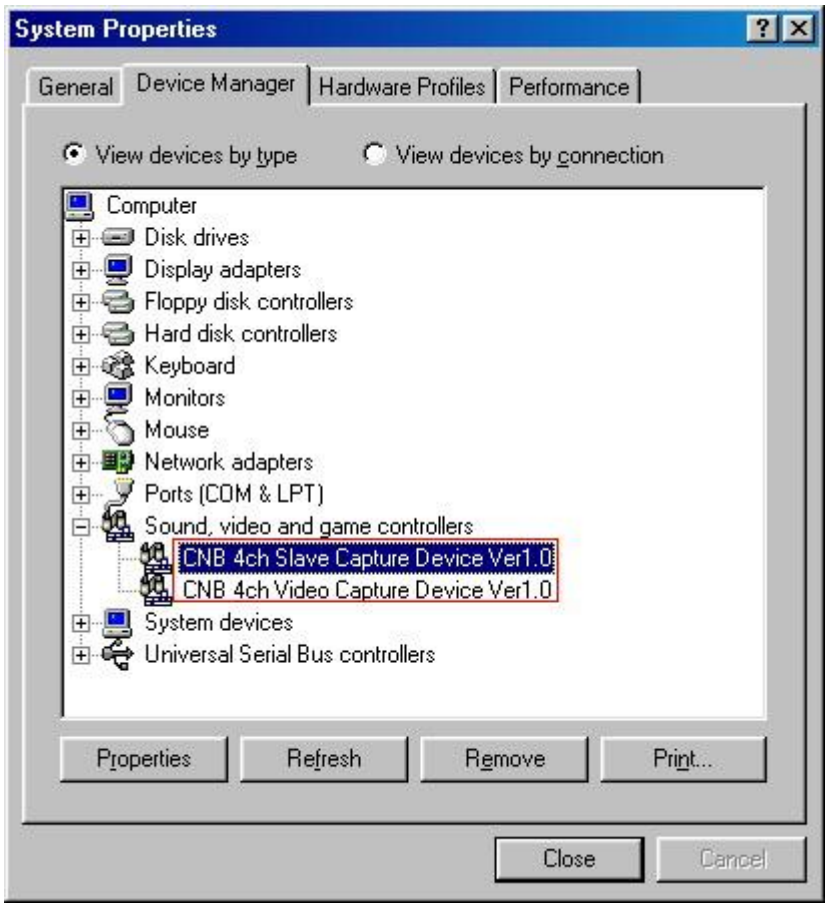
If you see this message, click “Next>”.

The driver file “MINDVR9.sys” will be copied to the Windows Driver folder.

Add New Hardware Wizard
CNB 4ch Video Capture Device Ver1.0
Windows has finished installing the software that your new hardware device requires.
< Back
Finish
Cancel

When the above message appears, click “Finish”.

Install the “MINIDSR Capture Device Ver1.0” in the same way as described above.



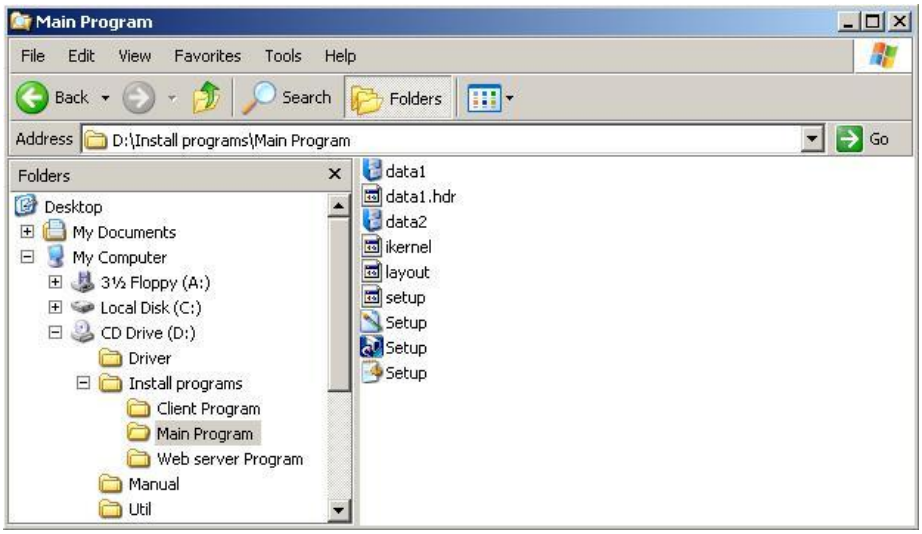
Once the drivers are successfully installed, the two new devices will be added to Device Manager:

- "MINIDVR Video Capture Device Ver1.0"
- "MINIDSR AUDIO Capture Device Ver1.0"

3. Installing the Software

3.1 Installing the software

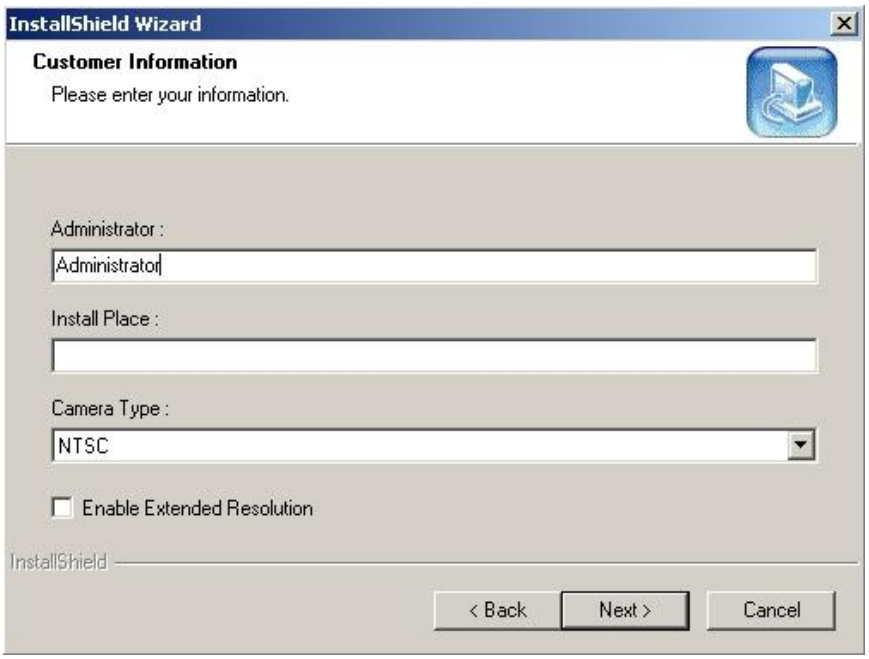
Open the provided CD, and locate the file in Windows Explorer.



To install the CNB DVR program, run the “Setup.exe” file contained in the CD in Windows Explorer.

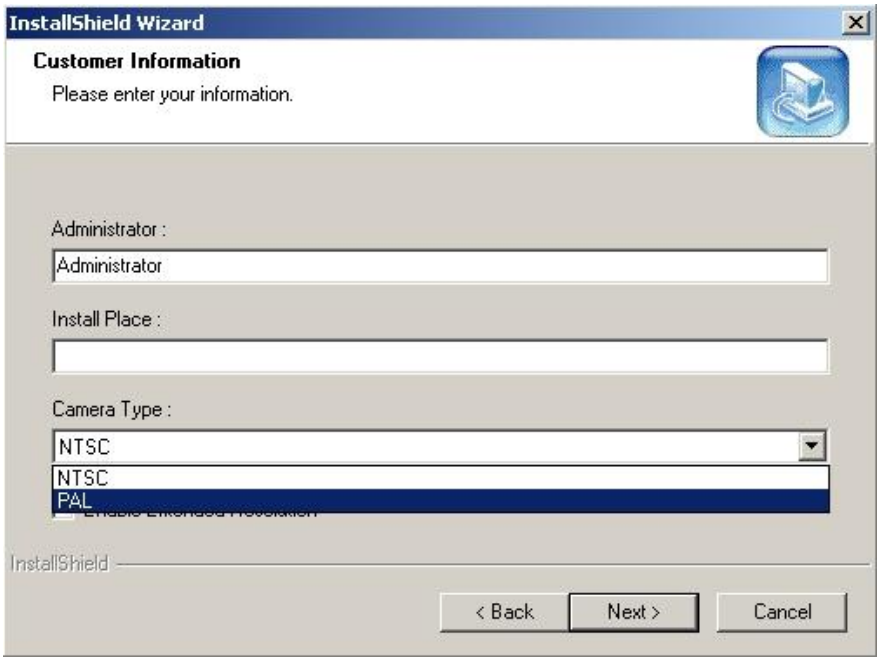
InstallShield Wizard
Welcome to the InstallShield Wizard for CnBDVR
The InstallShield® Wizard will install CnBDVR on your computer. To continue, click Next.
< Back
Next >
Cancel

Click “Next>”.



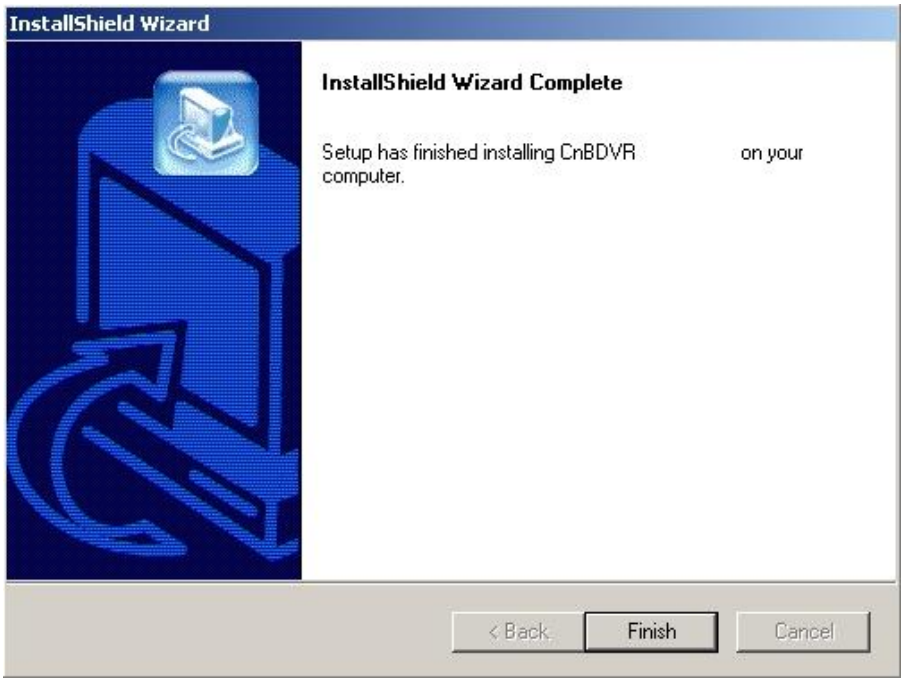
Select video resolution.

Default resolution : 320*240 / 640*240 / 640*480



Select camera type (NTSC or PAL). Click “Next>”.

The program will be installed.



When the setup process is completed, click “Finish”.

Once the CNB DVR program is successfully installed, the system will be automatically rebooted, and the following icon will be created on the Desktop:

3.2 Reinstalling the software

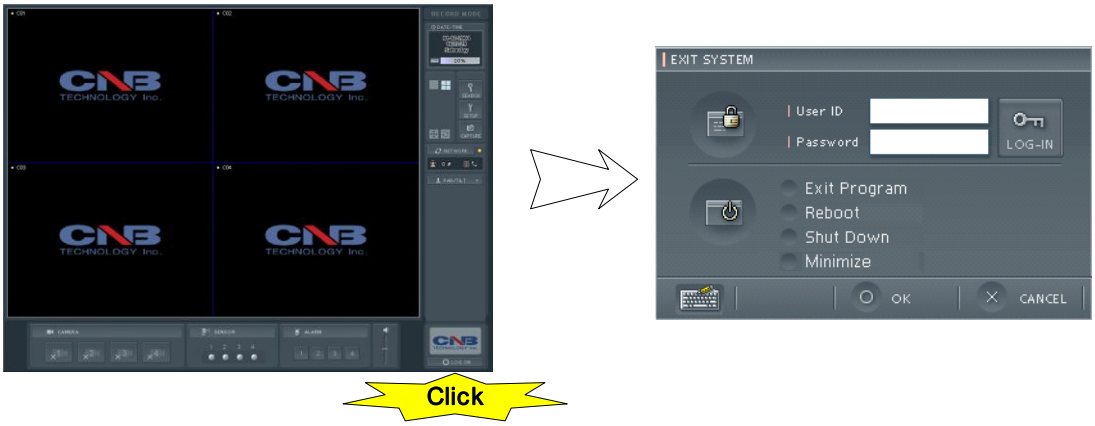
3.2.1 Saving the Settings

Before installing a new-version of the software, the user needs to save the current settings of the system.

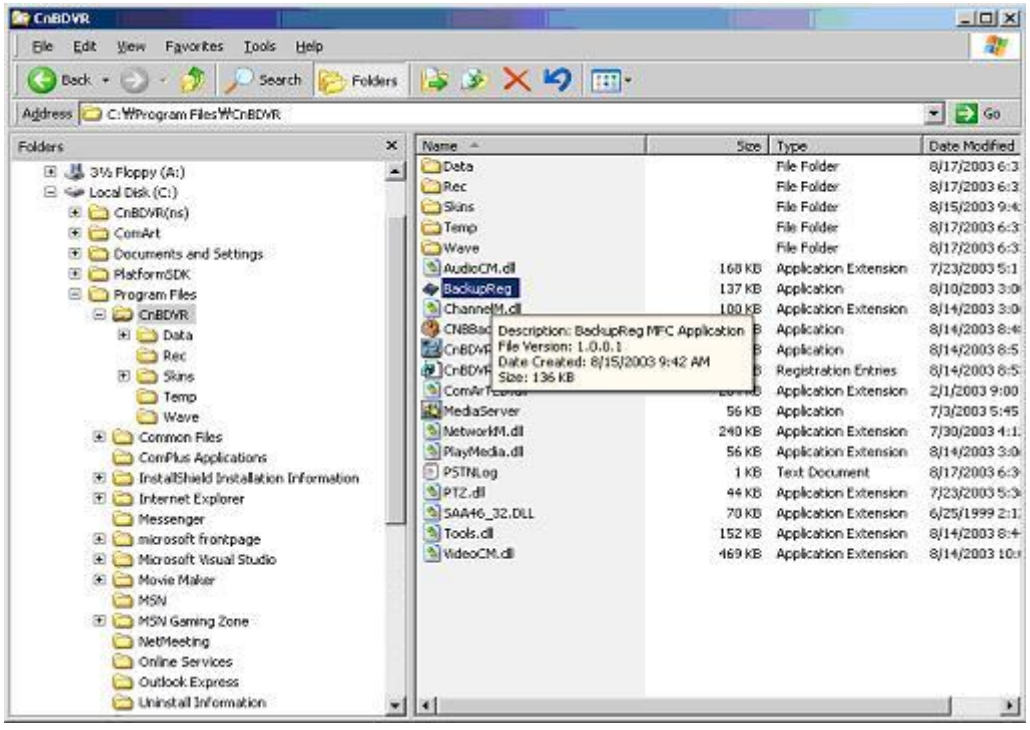
To install a new program while maintaining the existing settings, do the following:

If the DVR program is running, click the “LOG ON” button and exit the system by selecting

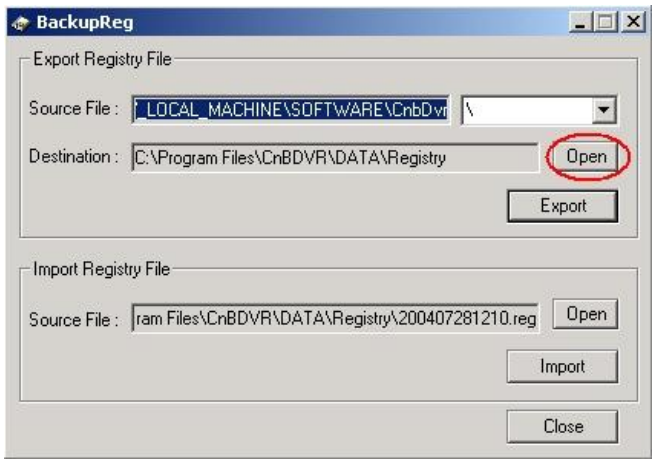
"Exit Program".



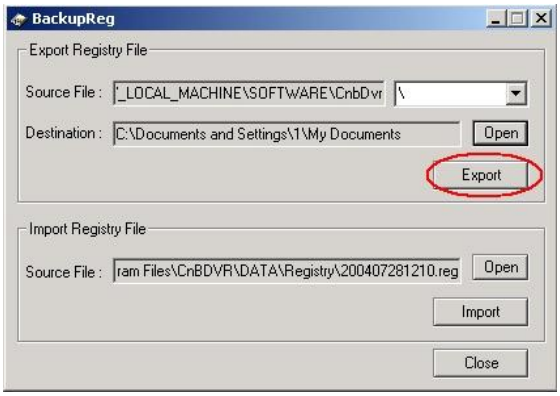
Run Windows Explorer, and go to C:\Program Files\CnBDVR.



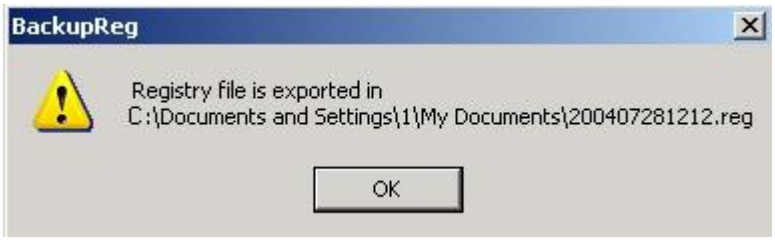
Locate and run the "BackupReg.exe" file.



Click “Open” in the Export Registry File area, and specify the location to save the settings.



Click Export to save the settings to a file with the current time as its file name.



When saving is completed, exit the software.

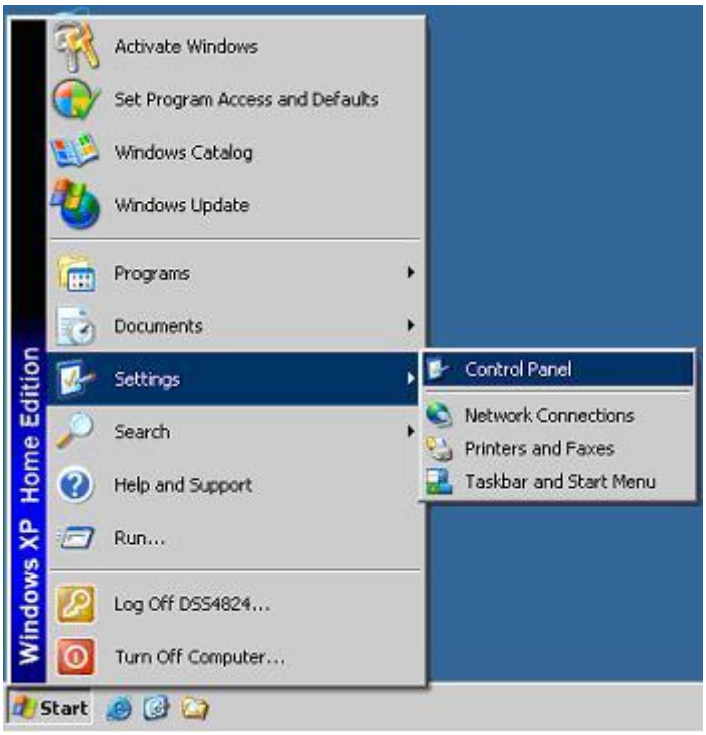
3.2.2 Uninstalling the Software

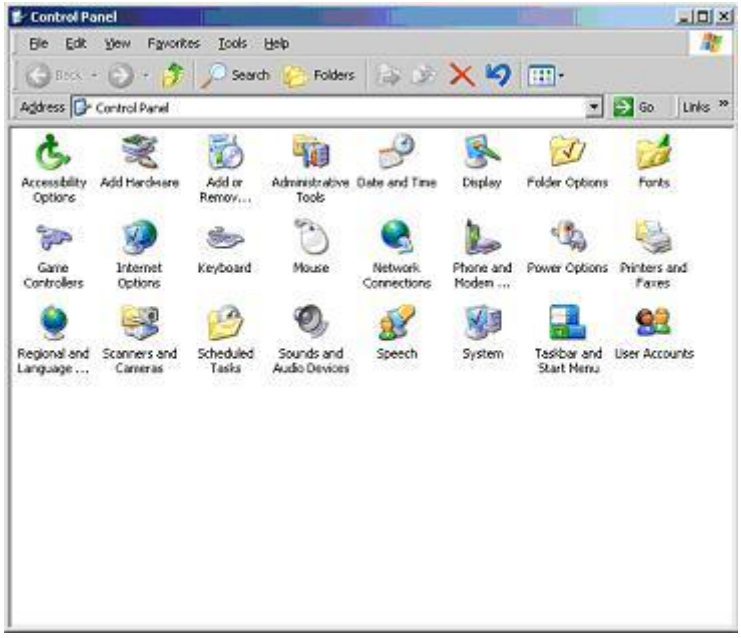
Upon re-powering up Windows, hold down the LEFT CTRL button on the keyboard. This will not enable the IDR software. It will stay in Windows.

To install the CNB DVR program while the system is on, remove the existing program first. However, if the program is running, click the “LOG ON” button and exit the system by

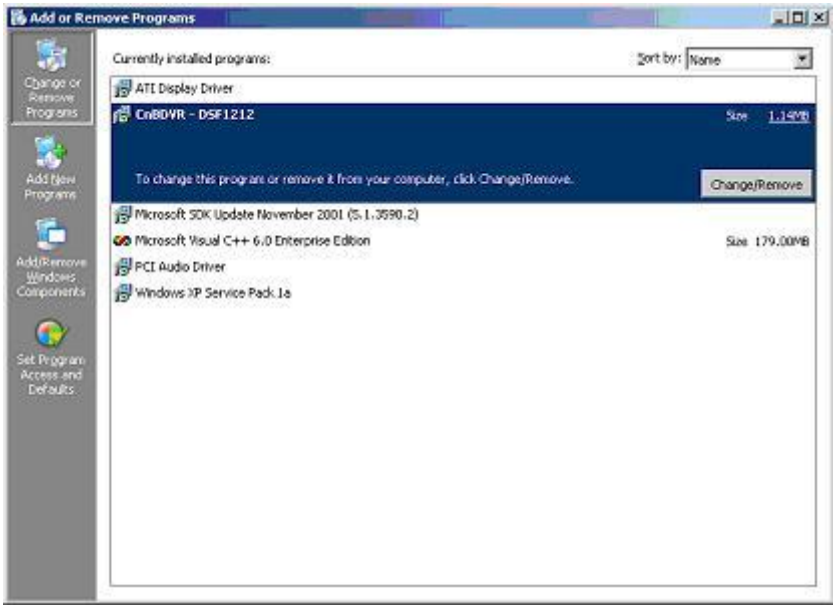
selecting “Exit Program”.

Select “Start" → "Settings" → "Control Panel”.



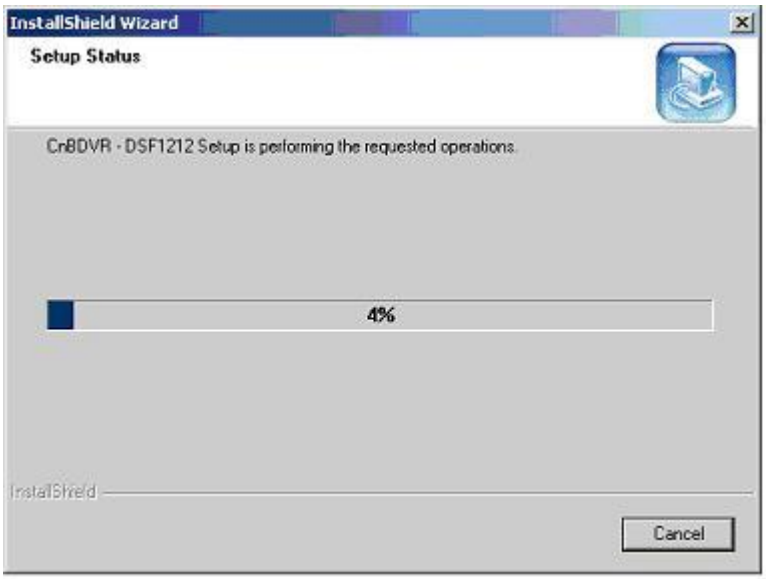


Select Add or Remove Programs.


Add or Remove Programs
Change or Remove Programs
Add New Programs
Add/Remove Windows Components
Set Program Access and Defaults
Currently installed programs:
Sort by: Name
ATI Display Driver
CnBDVR - DSF1212
Size 1.14MB
To change this program or remove it from your computer, click Change/Remove.
Change/Remove
Microsoft SDK Update November 2001 (5.1.3590.2)
Microsoft Visual C++ 6.0 Enterprise Edition
Size 179.00MB
PCI Audio Driver
Windows XP Service Pack 1a

Select the CNB DVR Program, and click Change/Remove.

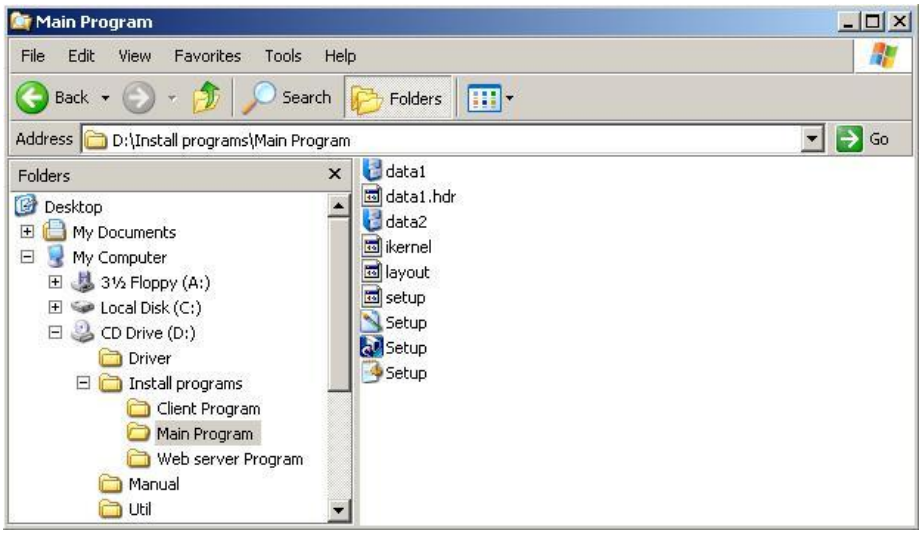
Click “OK” to remove the existing program.



The program will be removed.

3.2.3 Reinstalling the Software

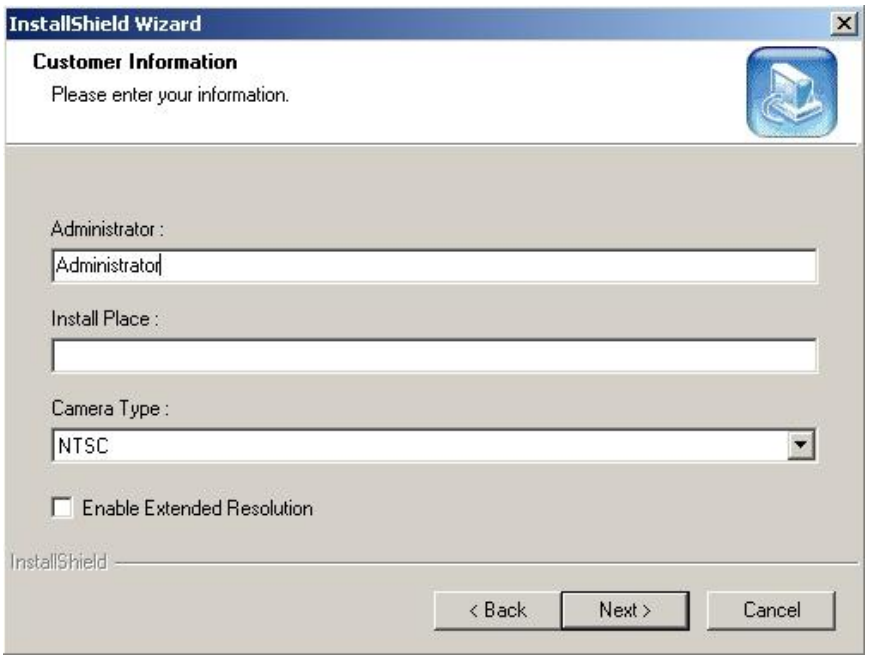
Open the provided CD, and locate the file in Windows Explorer.



To install the CNB DVR program, run the “Setup.exe” file contained in the CD in Windows Explorer.

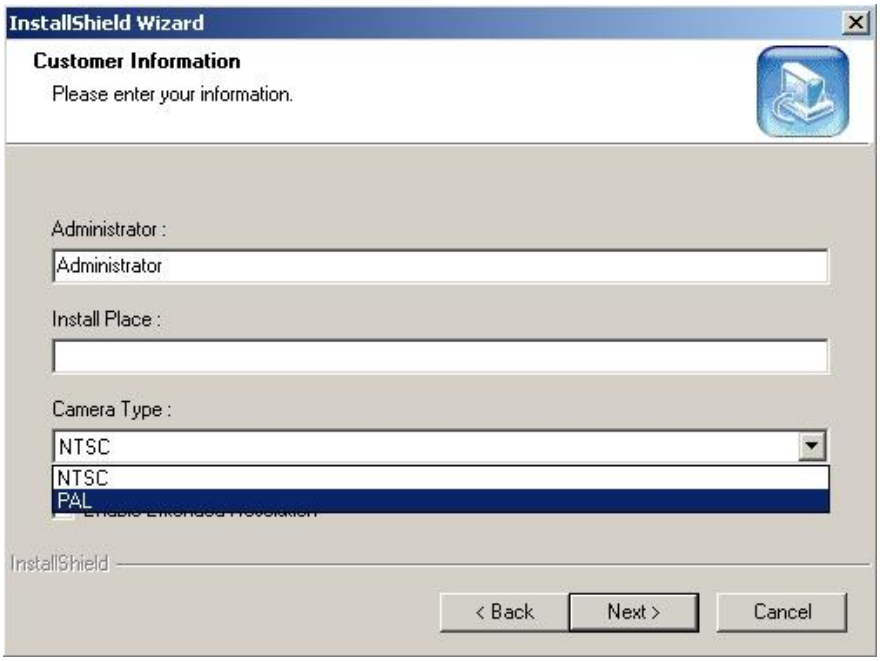
InstallShield Wizard
Welcome to the InstallShield Wizard for CnBDVR
The InstallShield® Wizard will install CnBDVR on your computer. To continue, click Next.
< Back
Next >
Cancel

Click “Next>”.



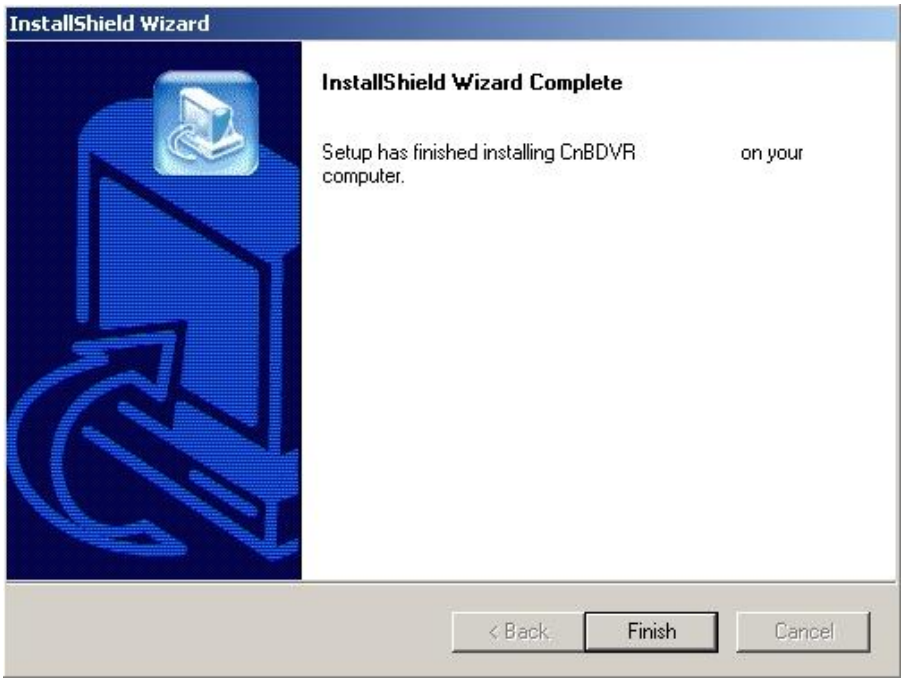
Select video resolution.

Default resolution : 320*240 / 640*240 / 640*480



Select camera type (NTSC or PAL). Click “Next>”.

The program will be installed.

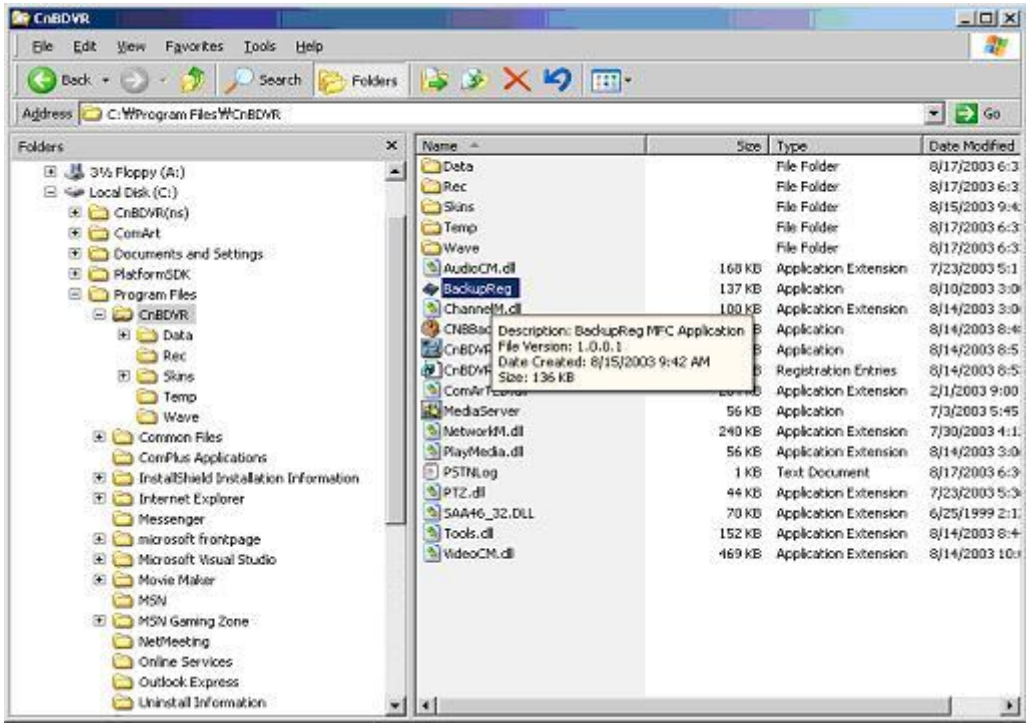


When the setup process is completed, click “Finish”.

Once the CNB DVR program is successfully installed, the following icon will be created on the Desktop:

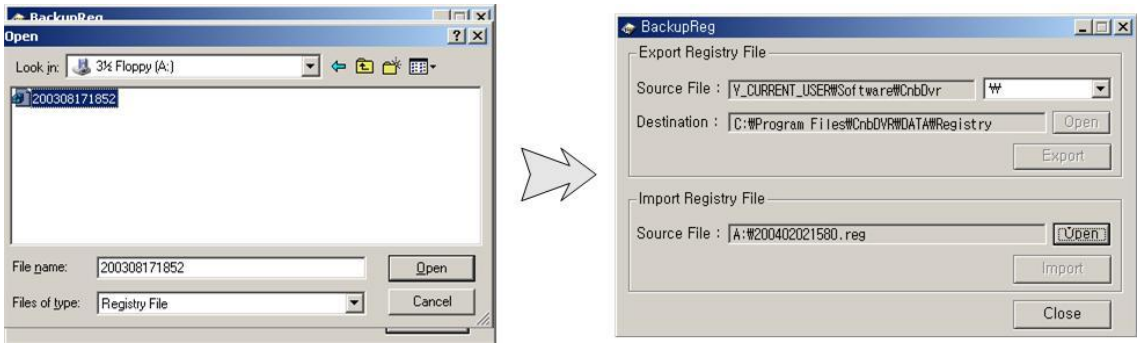
3.2.4 Modifying Settings

Launch Windows Explorer, and go to C:\Program Files\CnBDVR.



Locate and run the “BackupReg.exe”.

Click “Open” in the Import Registry File area, and specify the location to save the settings.



Click “Import” to load the settings.

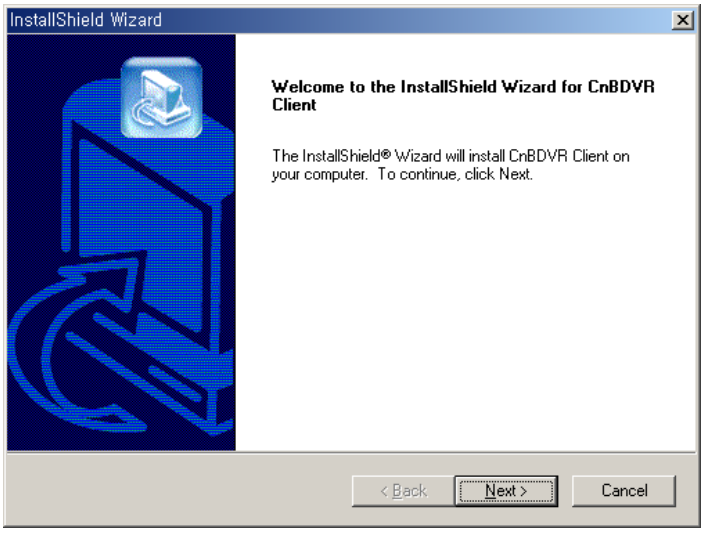
When importing is completed, the current setting will be replaced with the previous settings.

3.3 Installing the Client S/W

1) Minimum Requirements

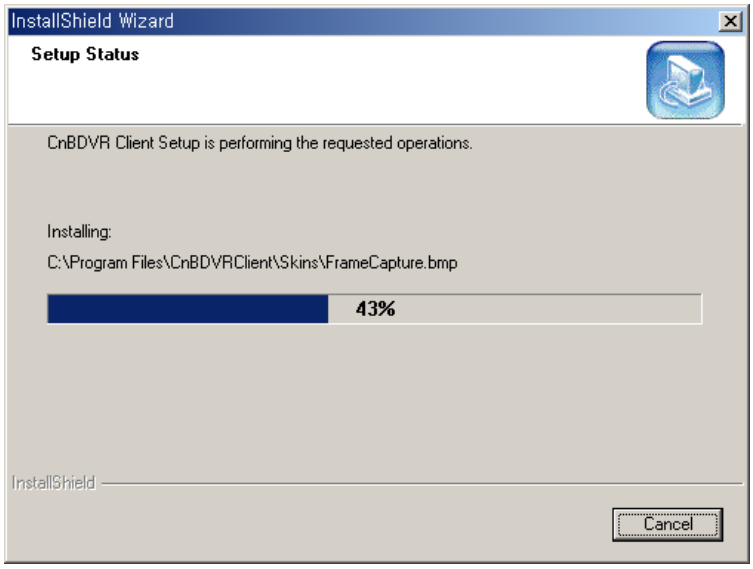
- Processor: Intel Pentium III 800MHz or higher
- Main Memory: 128MB or higher
- Video Card (32MB or higher): Recommended ATI series video card
- OS: Windows 98/ME/2000/XP

Run the client program, and the screen shown below will appear. Continue the process to complete installing the program in the local computer. The default installation folder is "C:\Program Files\CnBDVR".


InstallShield Wizard
Welcome to the InstallShield Wizard for CnBDVR Client
The InstallShield® Wizard will install CnBDVR Client on your computer. To continue, click Next.
< Back
Next >
Cancel

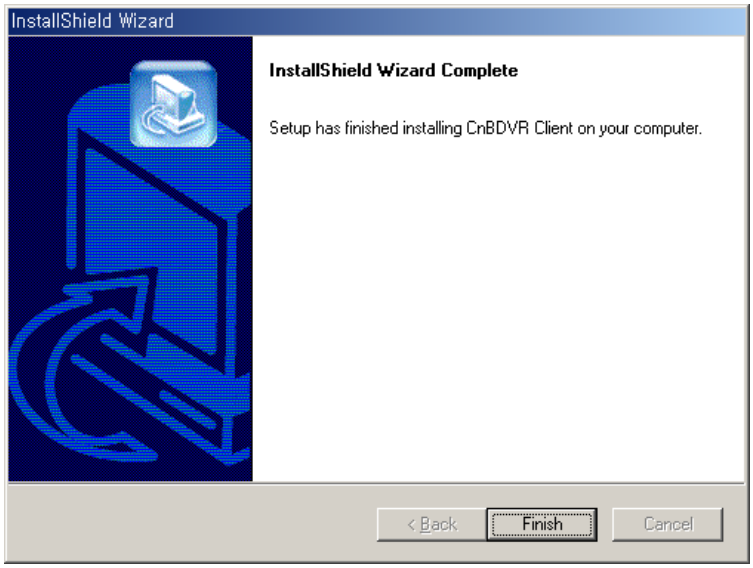
If the client program has been already installed, a dialog box asking whether to remove the existing program will be displayed. Click "OK" to remove the existing program. After the existing program is completely removed, run the client program again.

Click "Next".



Data files and executable files necessary for the client program will be installed.

When the installation is completed, the following screen will appear:

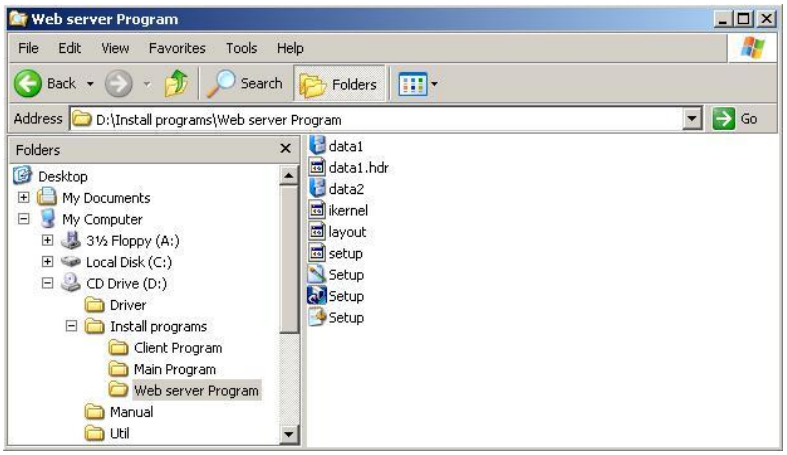


Click “Finish” to finish the installation. Then, the following icon will be created on the Desktop.

3.4 Installing the Web server S/W (Option)

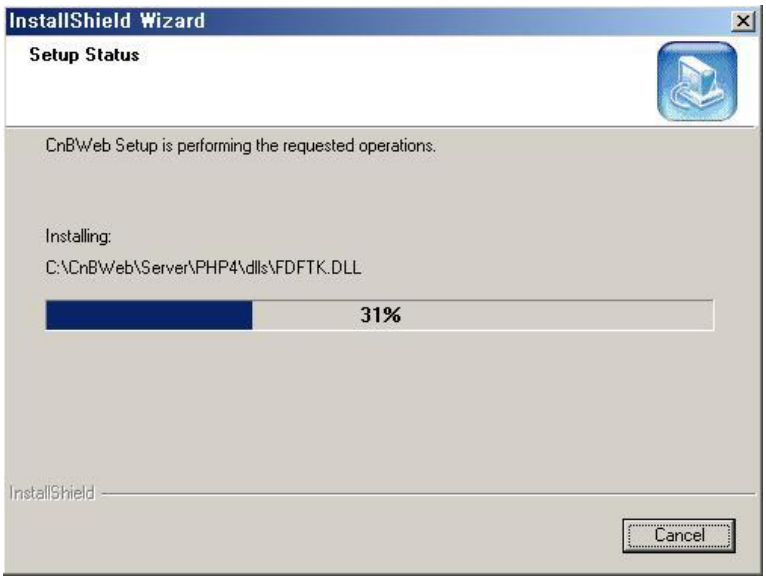
First of all, close the DVR program to install the Web server program.

Secondly, open the provided CD, and locate the file in Windows Explorer.



To install the Web server program, run the “Setup.exe” file contained in the CD in Windows Explorer.

And the screen shown below will appear. Continue the process to complete installing the program in the local computer. The default installation folder is “C:\CnBWeb”.

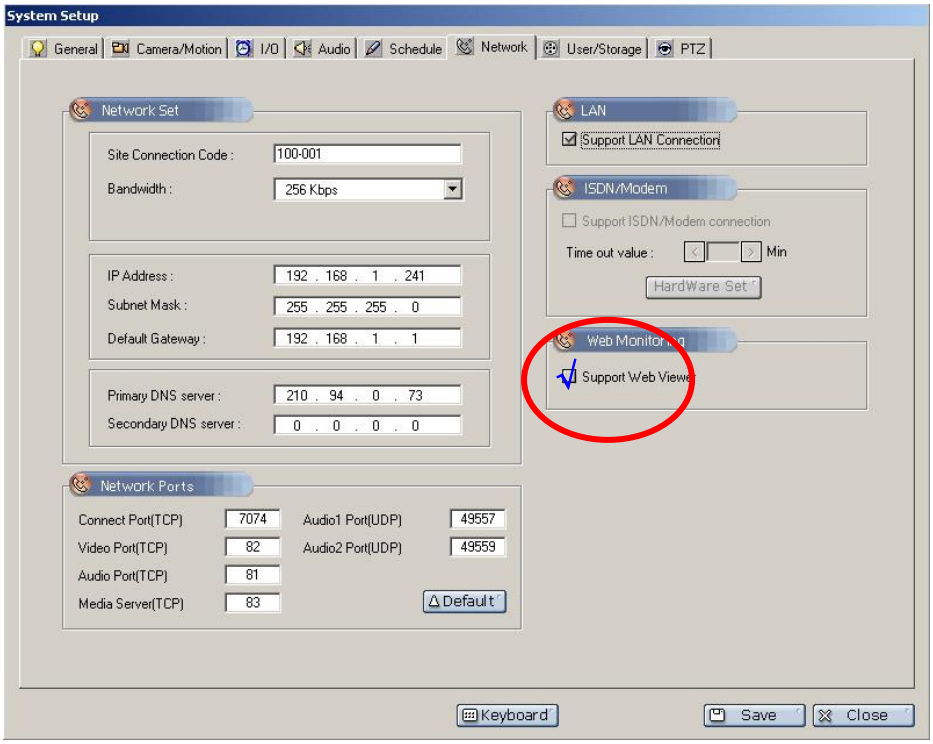


If the program installed correctly, run the DVR program.

And then, select “Support Web Viewer” from network setup.

Click save.

The DVR system will support Web viewer.



WARRANTY

This product is produced through strict quality management and testing process.
We warrant that will be free from defects under normal operating conditions.
Please contact the distributor in case you have a trouble within one year from the date the customer acquires the product.

Warranty Guide

Confirm this warranty sheet first.
Please contact the distributor after checking out any defect in the product.
The standard for repairing, replacement follows Customer.

Warranty Content

Any defect under normal use within the warranty service period we give you free repair service according to the warranty sheet.

Following cases are that we charge you with the fee of parts and service.

① Breaking down made by careless handling, natural disaster, fire, wrong power voltage and un-permitted power .
② Breaking down made by improper repairing or reconstruction.
③ Breaking down made by careless dealing in the middle of delivery after the customer purchasing the product.
④ Breaking down made by using out of order in this manual.

Product Model Name		
Product Serial Number		
Warranty Period		1 year from the purchasing date
Purchase Time		200 - - .
Customer	Name	
	Address	
	TEL.	